

Figure 1

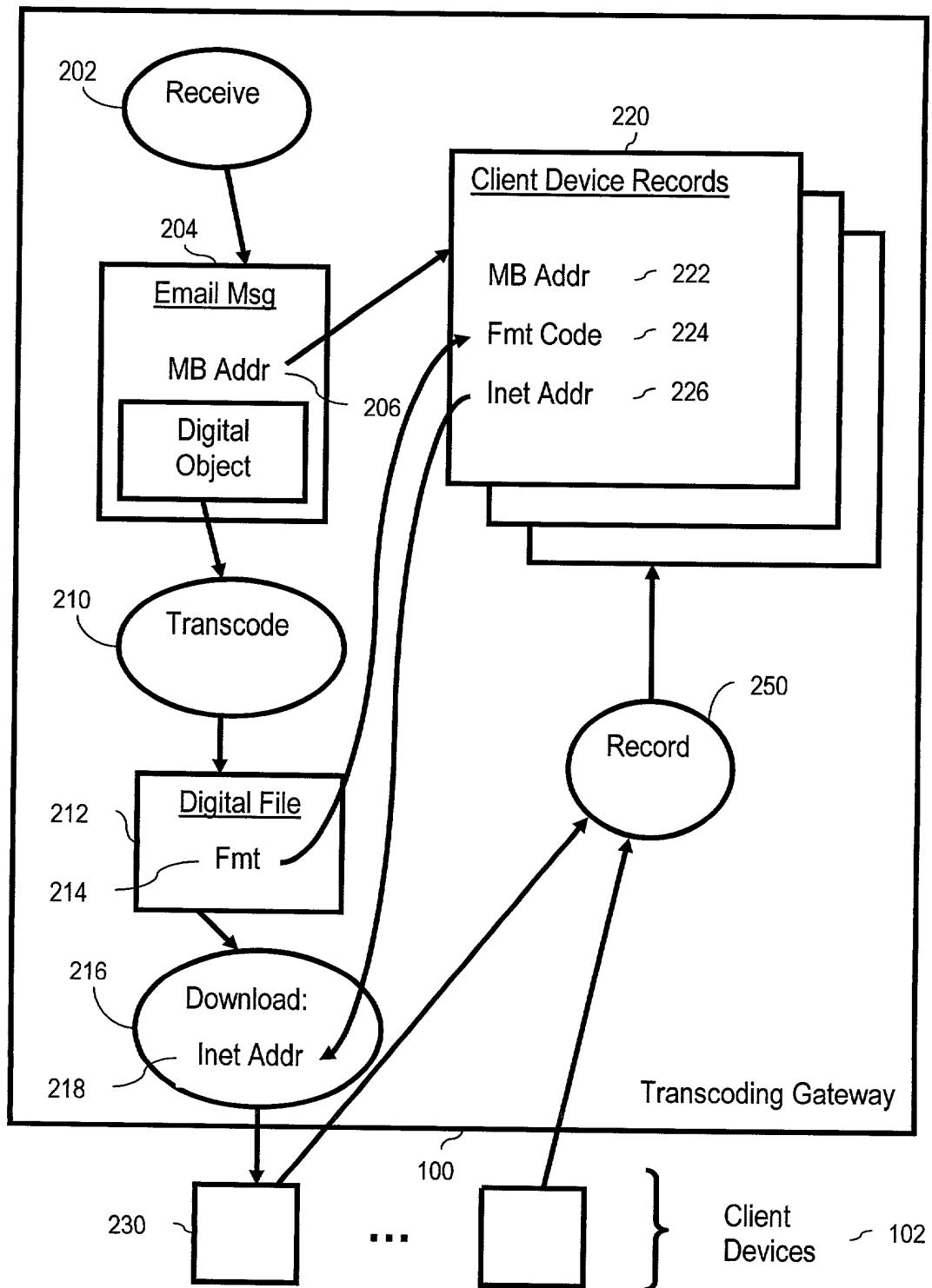


Figure 1a

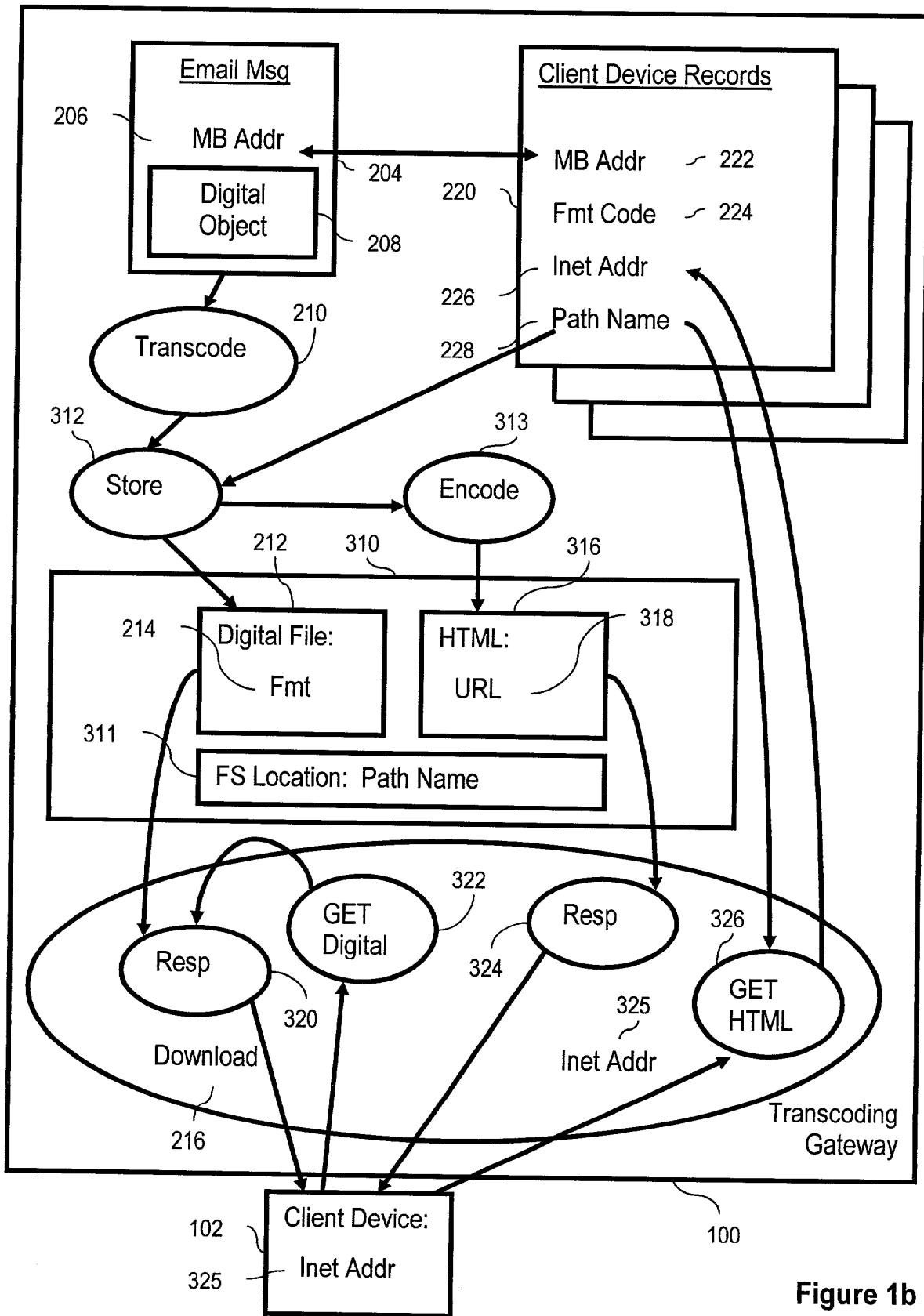


Figure 1b

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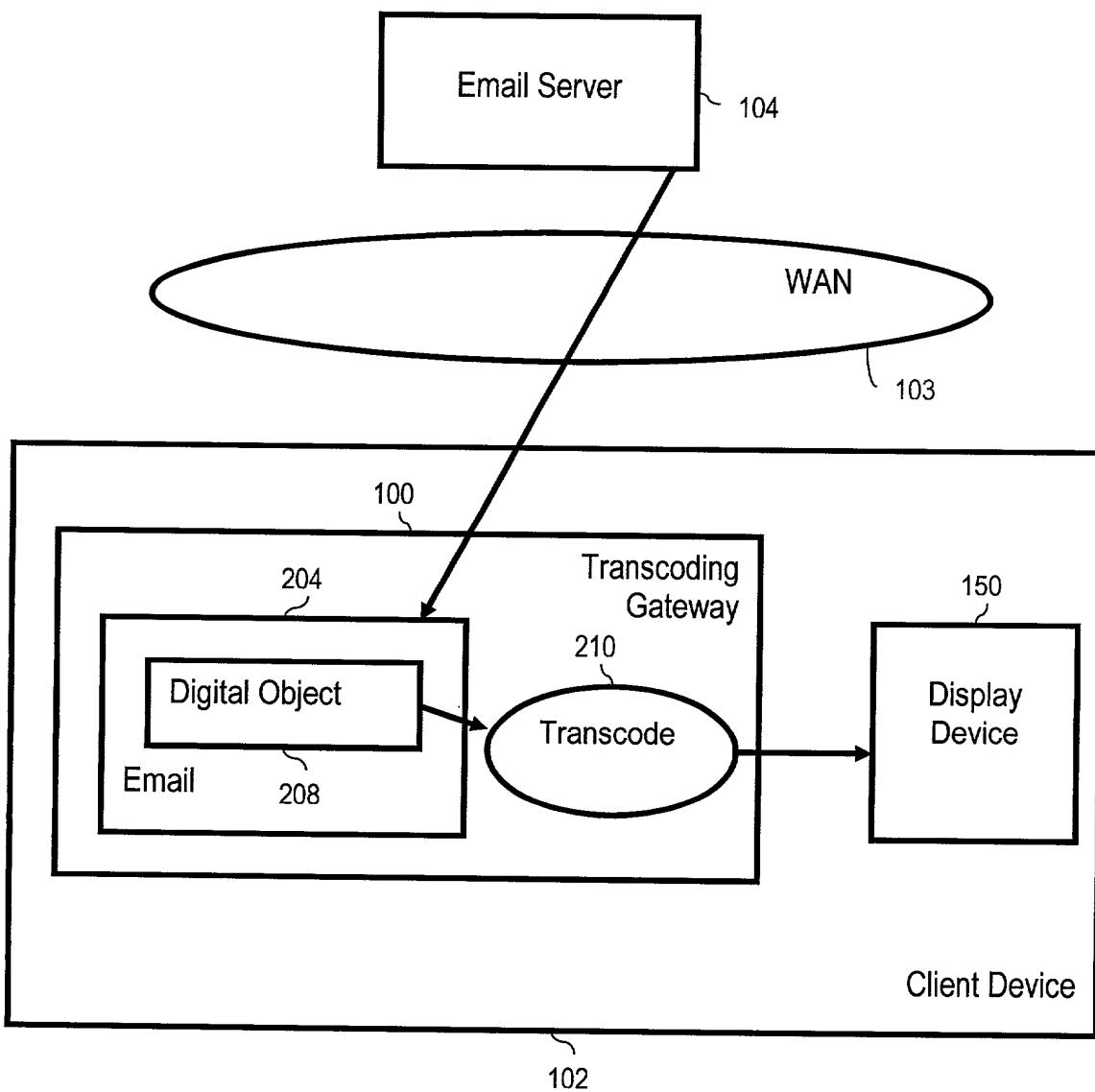


Figure 2

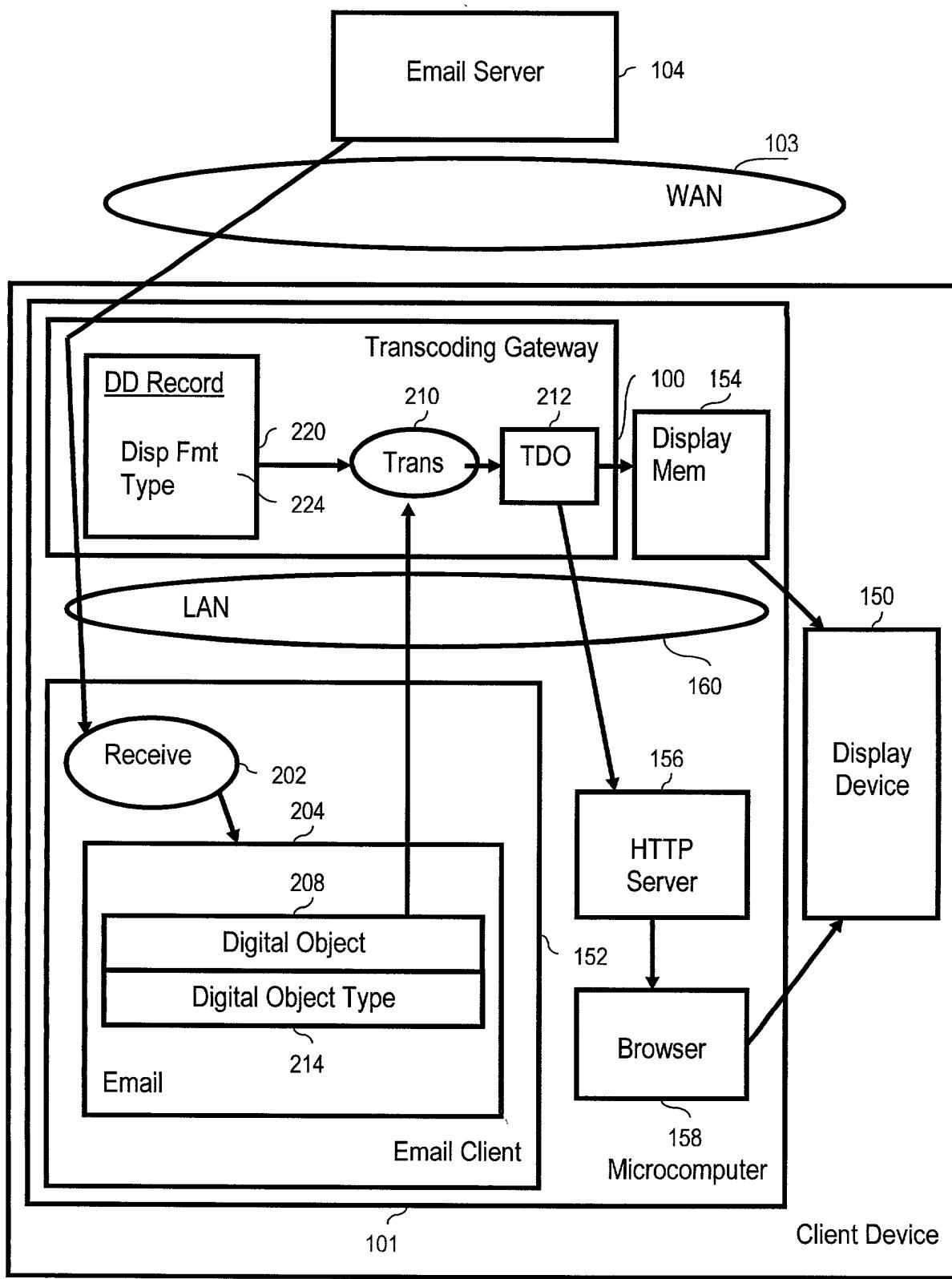


Figure 3

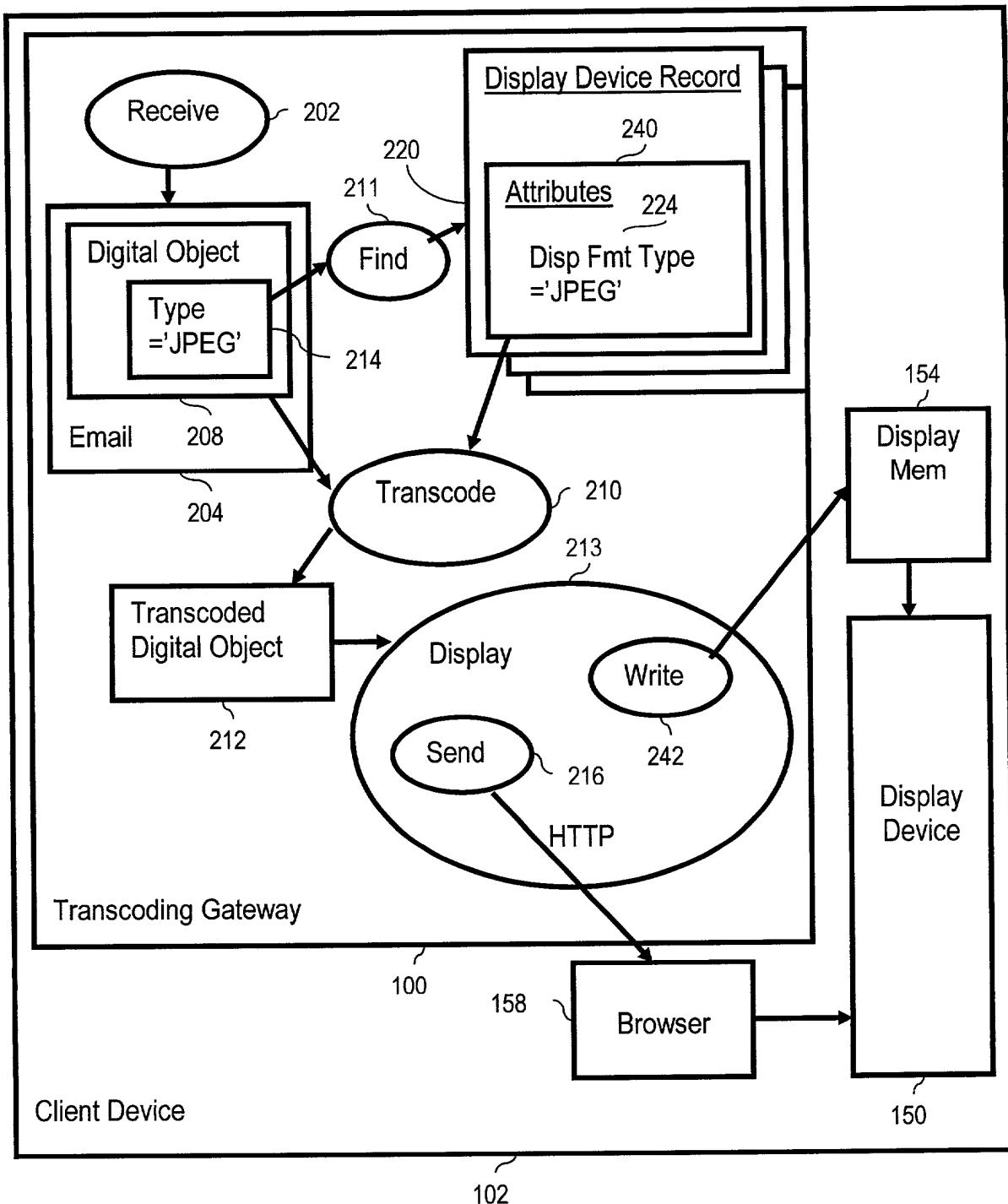


Figure 4

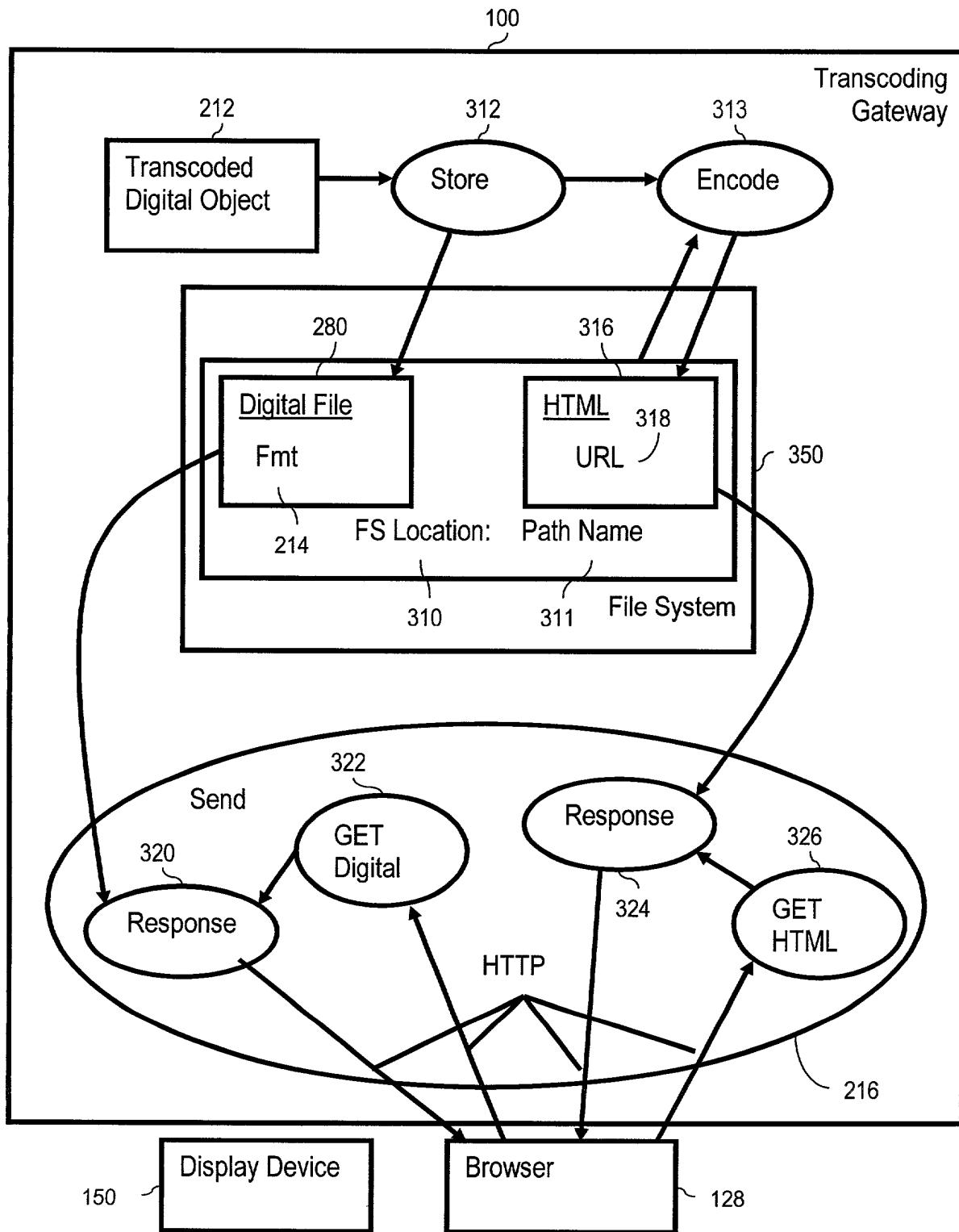


Figure 5

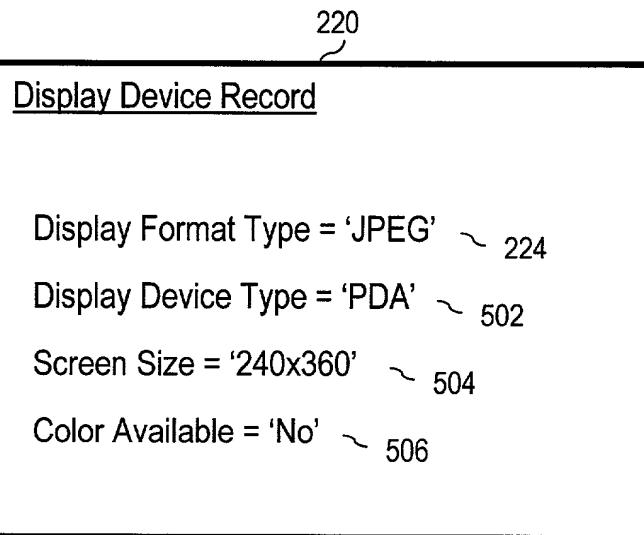


Figure 6

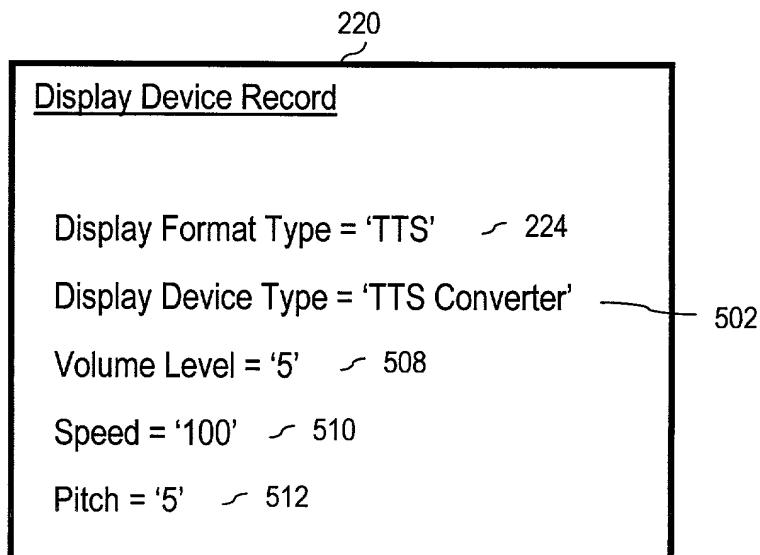


Figure 7

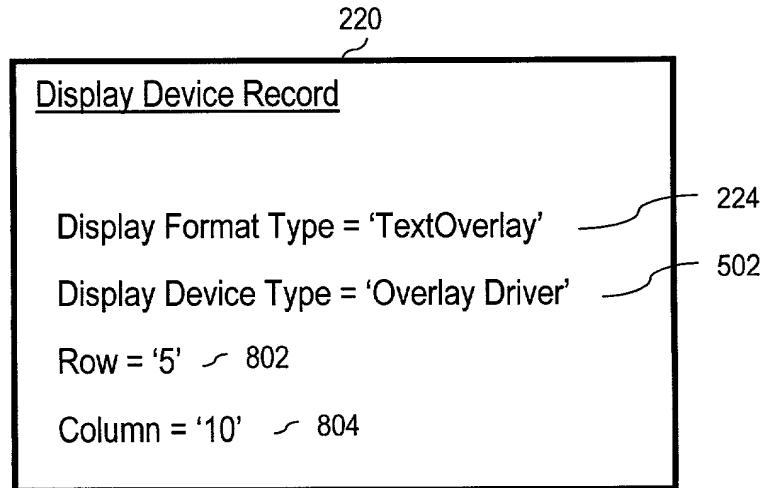


Figure 8

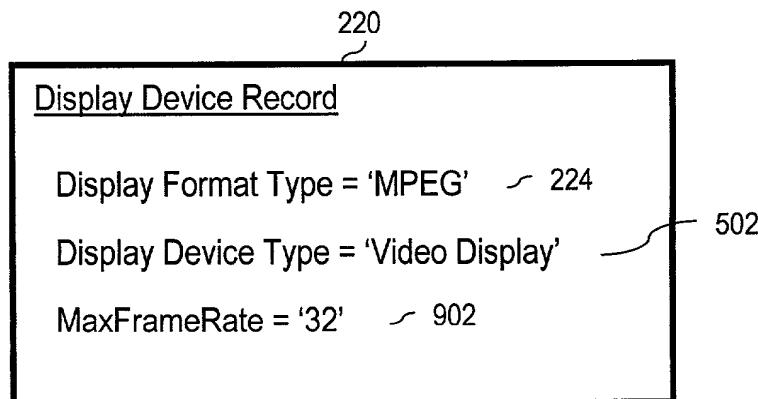


Figure 9

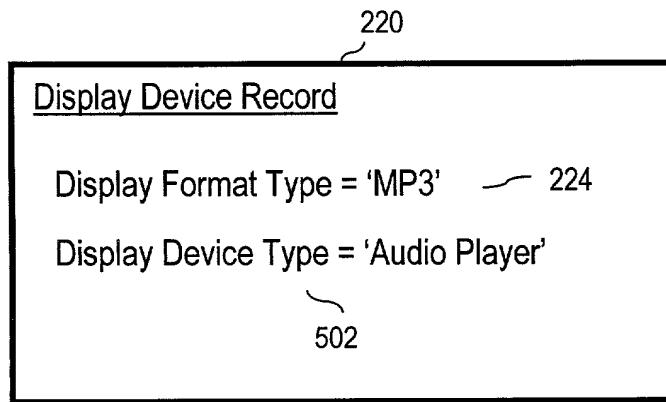


Figure 10

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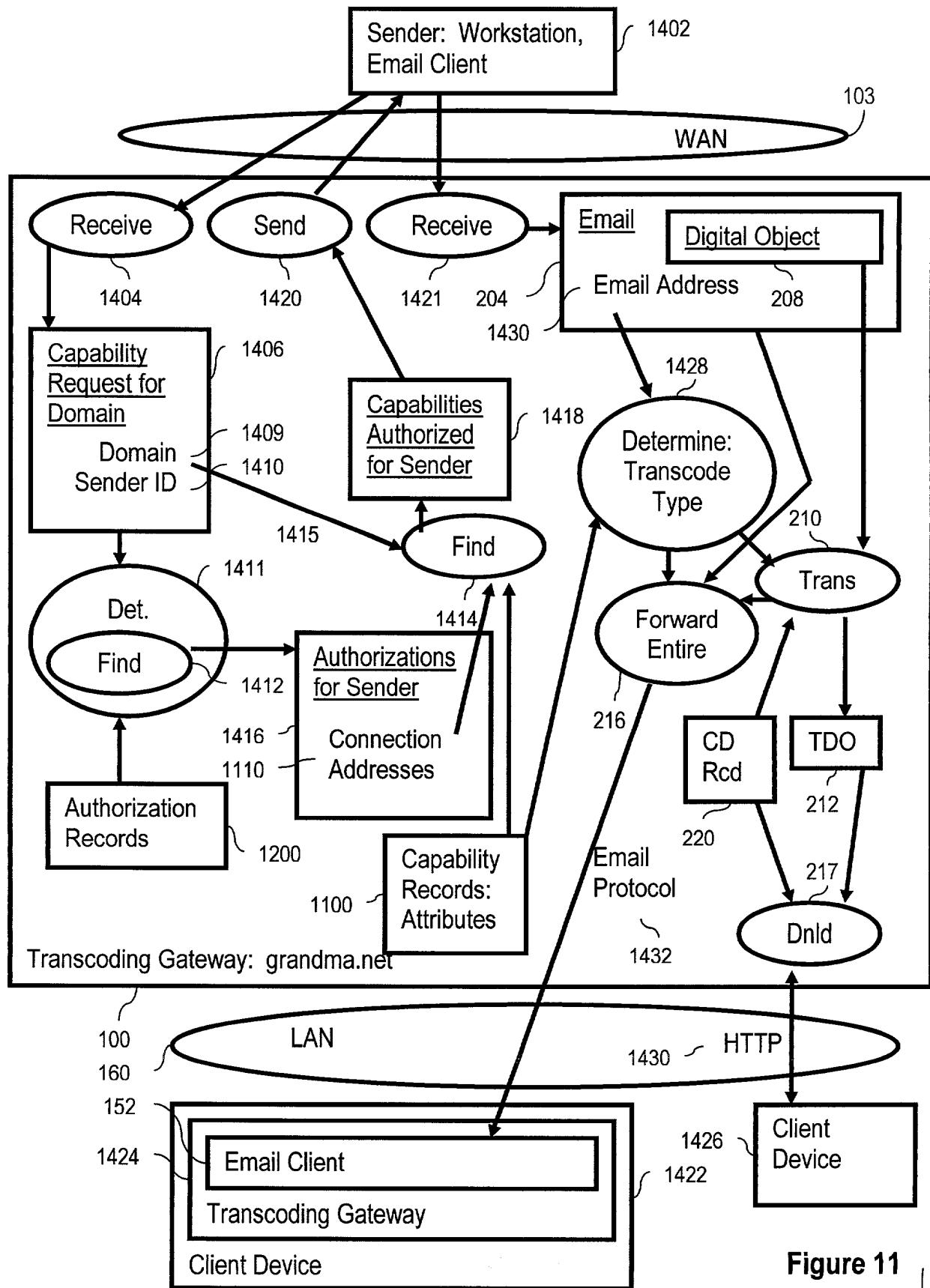


Figure 11

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Display Capability Records					
1102	1104	1106	1108	1100	1111
Capability ID	Capability Description	Domain	Connection Type	Connection Address	Transcode Type
1150	Video on Grandma's PC	grandma.net	Email	grandma@grandma.net	Forward
1152	Audio on Grandma's PC	grandma.net	Email	grandma@grandma.net	Forward
1154	Video on Grandma's TV	grandma.net	Email	gm-tv@grandma.net	Forward
1156	Audio on Grandma's TV	grandma.net	Email	gm-tv@grandma.net	Forward
1158	TTS in Grandma's Car	grandma.net	Email	gm-car@grandma.net	Forward
1160	Recipe Dtabse on Gma's Stove	grandma.net	Email	recipes@grandma.net	Forward
1162	Image on Grandma's PDA	grandma.net	Email	gm-PDA@grandma.net	Forward
1164	Image on DAF in Gma's Lv Rm	grandma.net	HTTP	gm-daf@grandma.net	Transcode Here & Fwd
1166	Txt Overlay on DAF in Gma's Lv Rm	grandma.net	HTTP	Gm-daf@grandma.net	Transcode Here & Fwd
1168	Audio on Gma's Stereo	grandma.net	HTTP	gm-stereo@grandma.net	Transcode Here
1170	Video Somewhere Else	some other.net	Email	x@someother.net	Forward
1172	Audio Player Coupled to this Gateway	some other.net	HTTP	y@someother.net	Transcode Here & Fwd
1174	TTS Somewhere Else	some other.net	Email	z@someother.net	Forward

**Figure 12**

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1200

Sender Authorization Records

Domain: grandma.net

1202 Authorization Record ID	1110 Connection Address	1204 Authorized Sender
1250	grandma@grandma.net	joe@grandson.net
1252	gm-tv.@grandma.net	joe@grandson.net
1254	gm-daf@grandma.net	joe@grandson.net
1256	gm-car@grandma.net	joe@grandson.net
1258	grandma@grandma.net	mike@soninlaw.net
1260	grandma@grandma.net	pete@favoritenephew.net
1262	gm-tv.@grandma.net	pete@favoritenephew.net
1264	gm-daf@grandma.net	pete@favoritenephew.net
1268	gm-car@grandma.net	pete@favoritenephew.net
1270	gm-PDA@grandma.net	pete@favoritenephew.net
1272	recipes@grandma.net	pete@favoritenephew.net

**Figure 13**

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Authorized Display Capabilities at grandma.net for joe@grandson.net
Video on Grandma's PC ( <u>grandma@grandma.net</u> )
Audio on Grandma's PC ( <u>grandma@grandma.net</u> )
Video on Grandma's TV ( <u>gm-tv.@grandma.net</u> )
Image on DAF in Grandma's Living Room ( <u>gm-daf@grandma.net</u> )
TTS in Grandma's Car ( <u>gm-car@grandma.net</u> )
<b>Okay</b>

**Figure 14**

Virtual Address Forward Records		
1502	1504	1506
Virtual Address Forwarding Recording Record ID	Virtual Address	Corresponding Conventional Forwarding Address
1550	gm-daf@grandma.net	grandma@grandma.net
1552	gm-stereo@grandma.net	
1554	y@someother.net	z@someother.net

**Figure 15**

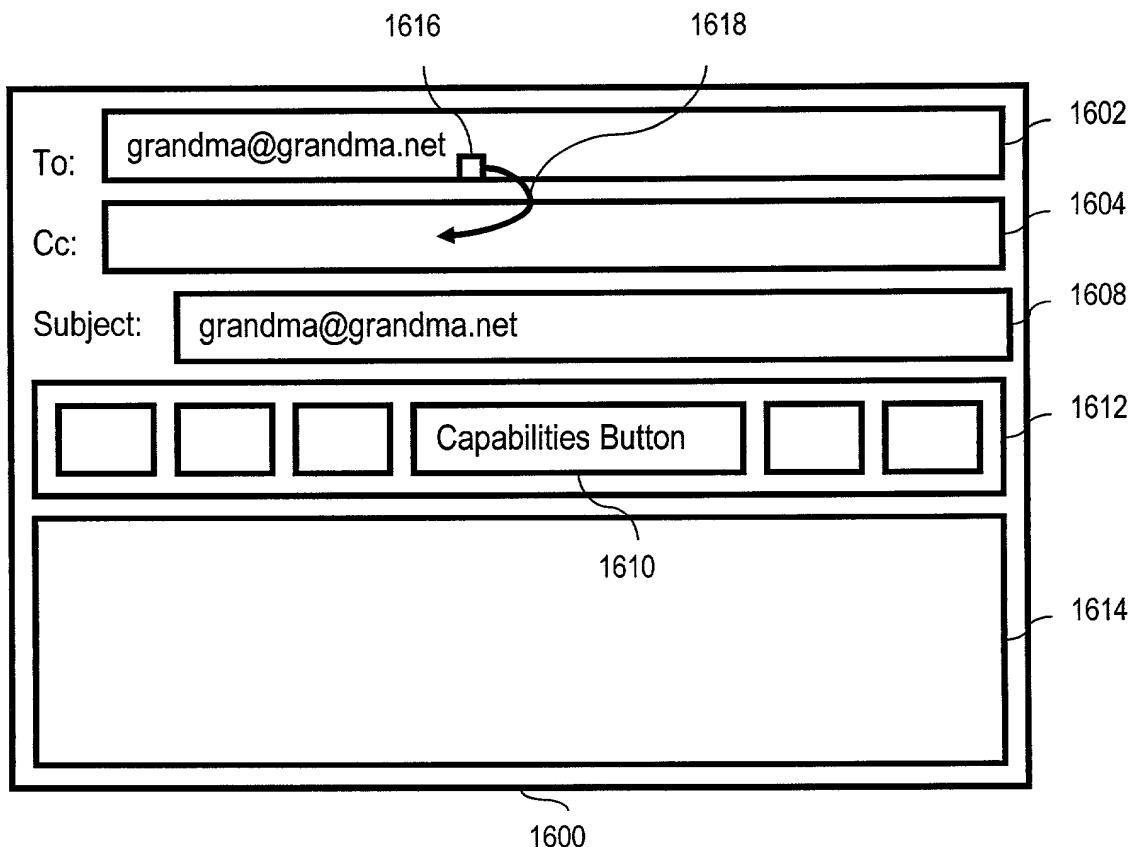


Figure 16

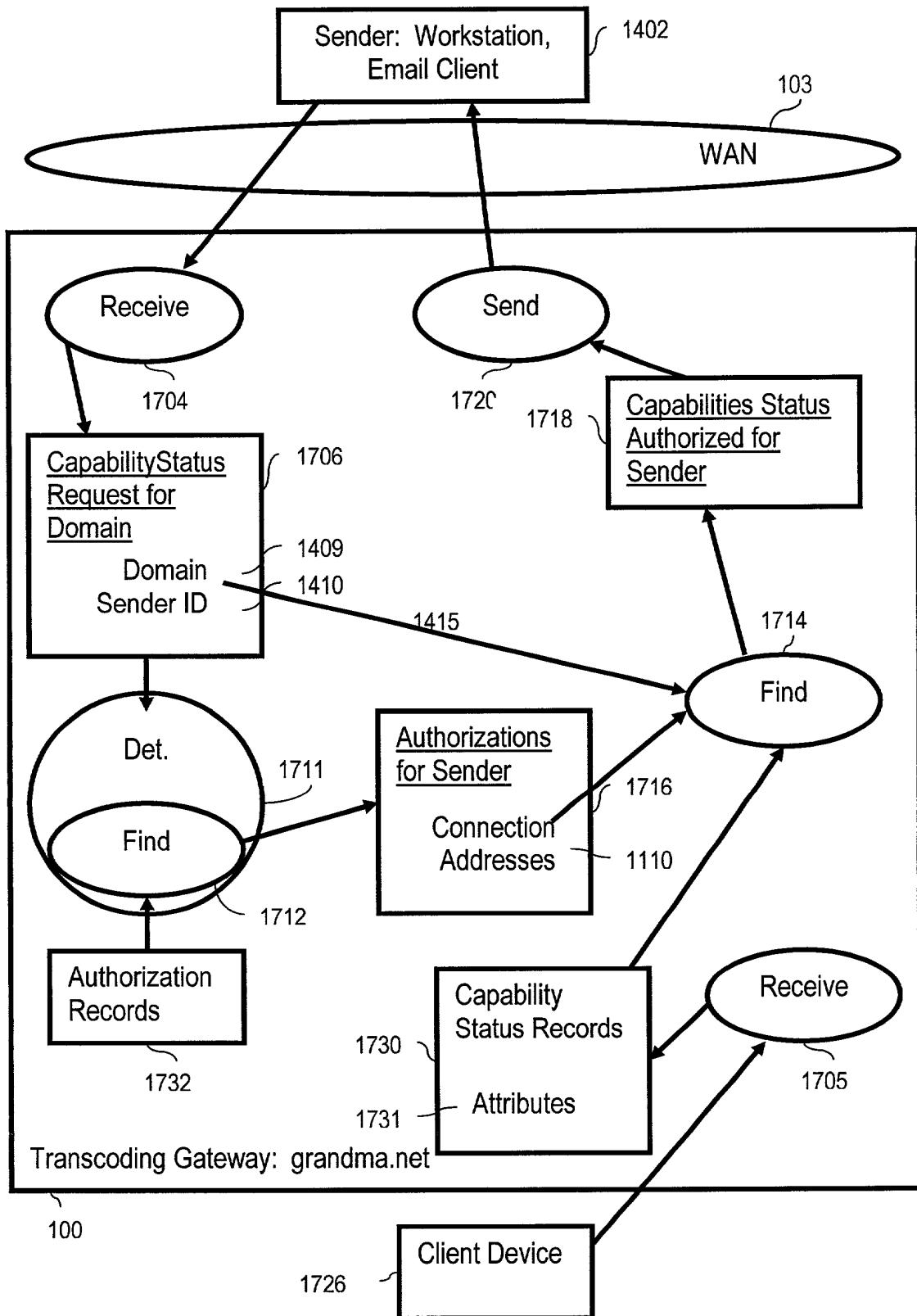


Figure 17

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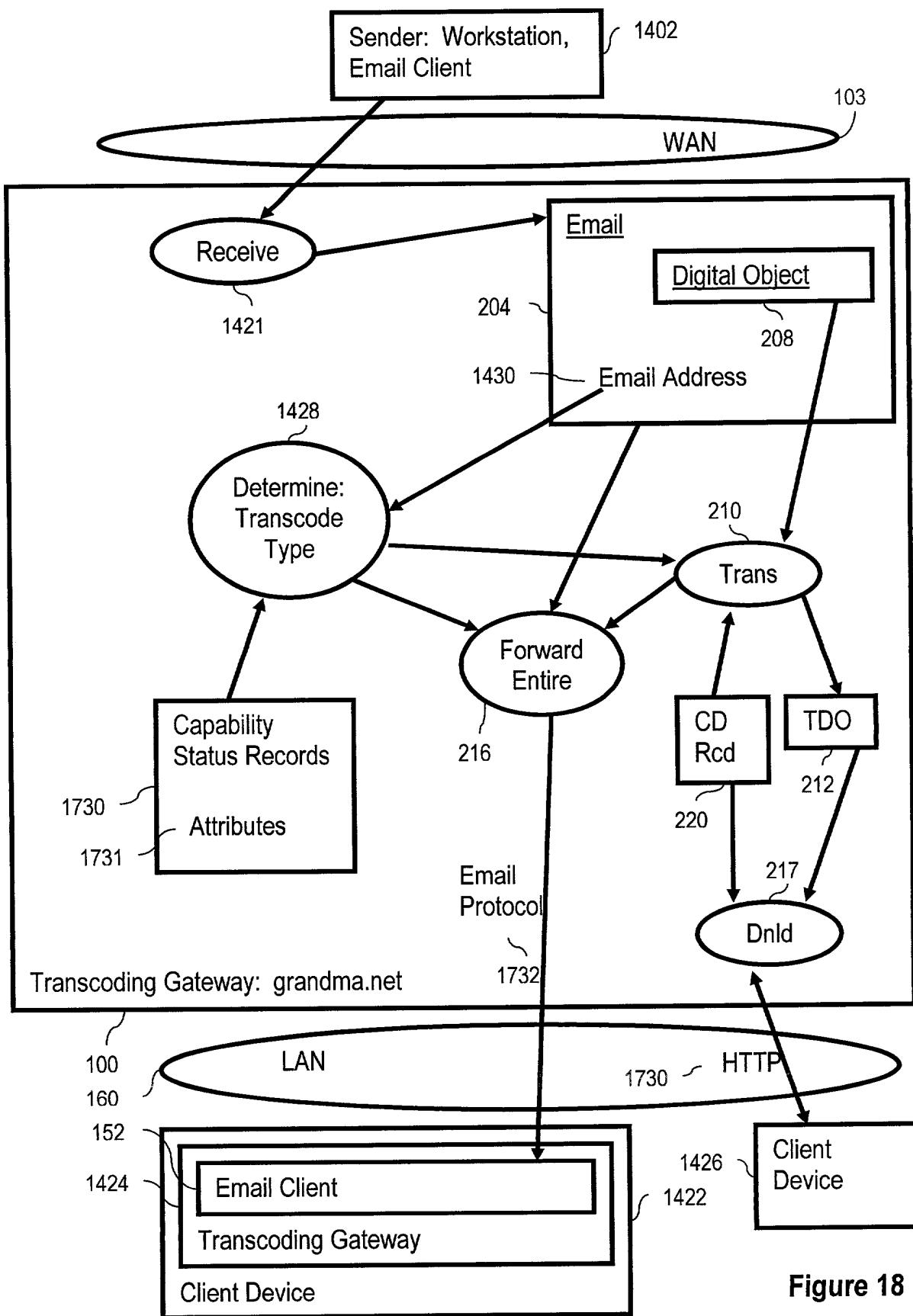


Figure 18

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Display Capability Status Records 1730 Domain: grandma.net						
Capability ID	Capability Description	Status: Availability	Status: Recent Usage	Connect Type	Connection Address	Transcode Type
1102	Video on Grandma's PC	Off	Yesterday	Email	grandma@grandma.net	Forward
1950	Audio on Grandma's PC	Off	Yesterday	Email	grandma@grandma.net	Forward
1952	Video on Grandma's TV	On	Last Week	Email	gm-tv@grandma.net	Forward
1954	Audio on Grandma's TV	On	Last Week	Email	gm-tv@grandma.net	Forward
1956	TTS in Grandma's Car	On	Yesterday	Email	gm-car@grandma.net	Forward
1958	Recipe Database on Gma's Stove	On	Last Week	Email	recipes@grandma.net	Forward
1960	Image on Grandma's PDA	On	Today, 3 Min. Ago	Email	gm-PDA@grandma.net	Forward
1962	Image on DAF in Gma's Living Rm	On	Yesterday	HTTP	gm-daf@grandma.net	Transcode Here & Fwd
1964	Text Overlay on DAF in Gma's Living Room	On	Yesterday	HTTP	gm-daf@grandma.net	Transcode Here & Fwd
1966	Audio on Grandma's Stereo	Off	Yesterday	HTTP	gm-stereo@grandma.net	Transcode Here
1968						

Figure 19

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Sender Authorization Records		
Domain: grandma.net		
Authorization Record ID	Connection Address	Authorized Sender
1202	1110	2002
2050	grandma@grandma.net	joe@grandson.net
2052	gm-PDA.@grandma.net	joe@grandson.net
2054	gm-daf@grandma.net	joe@grandson.net
2056	gm-car@grandma.net	joe@grandson.net
2058	grandma@grandma.net	mike@soninlaw.net
2060	grandma@grandma.net	pete@favoritenephew.net
2062	gm-tv.@grandma.net	pete@favoritenephew.net
2064	gm-daf@grandma.net	pete@favoritenephew.net
2068	gm-car@grandma.net	pete@favoritenephew.net
2070	gm-PDA@grandma.net	pete@favoritenephew.net
2072	recipes@grandma.net	pete@favoritenephew.net

**Figure 20**

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Authorized Display Capabilities Statuses at grandma.net for joe@grandson.net
Video on Grandma's PC ( <u>grandma@grandma.net</u> ) – Off – Last Used Yesterday
Audio on Grandma's PC ( <u>grandma@grandma.net</u> ) – Off – Last Used Yesterday
Image on Grandma's PDA ( <u>gm-PDA@grandma.net</u> ) – On – Last Used 3 Min. Ago
Image on DAF in Grandma's Living Room ( <u>gm-daf@grandma.net</u> ) – On – Last Used Yesterday
Text Overlay on DAF in Grandma's Living Room ( <u>gm-daf@grandma.net</u> ) – On – Last Used Yesterday
TTS in Grandma's Car ( <u>gm-car@grandma.net</u> ) – On – Last Used Yesterday
<input type="button" value="Okay"/>

Figure 21

Virtual Address Forward Records		
1502	1504	1506
Virtual Address Forwarding Record ID	Virtual Address	Corresponding Conventional Forwarding Address
1550	gm-daf@grandma.net	grandma@grandma.net
1552	gm-stereo@grandma.net	
1554	y@someother.net	z@someother.net

Figure 22

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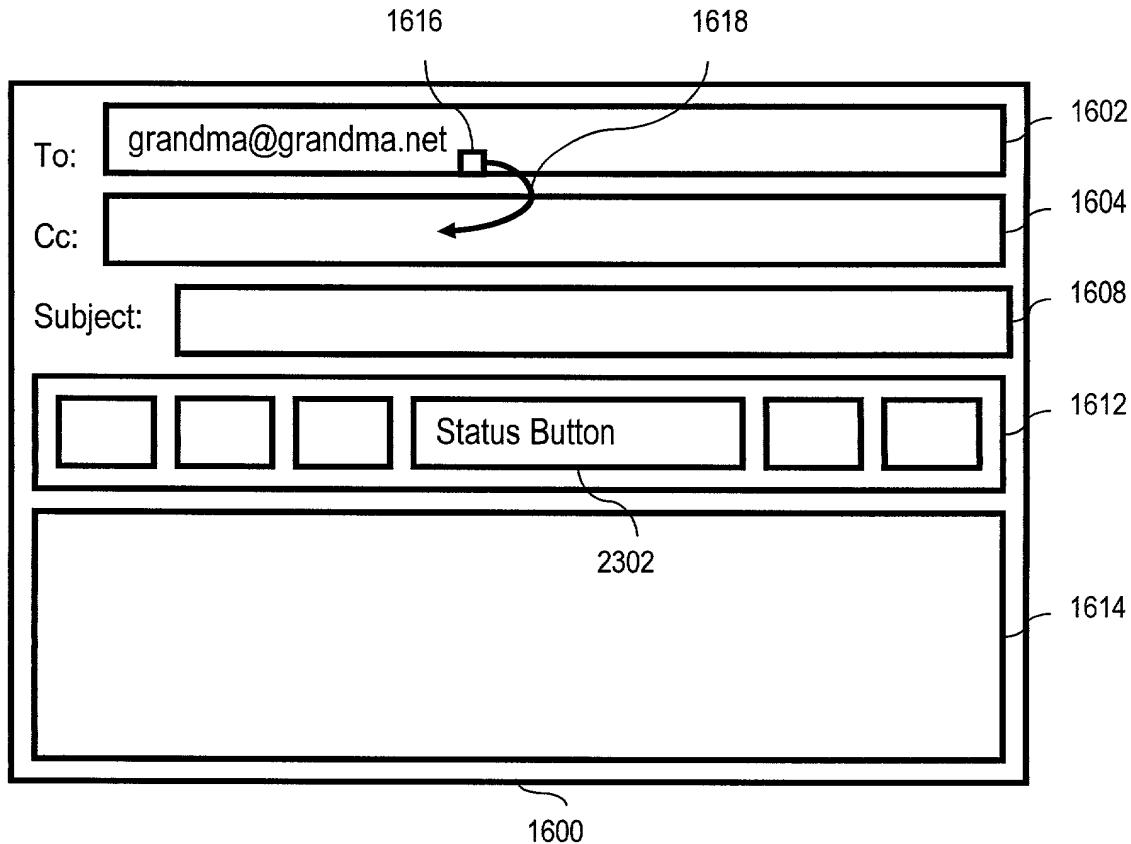


Figure 23

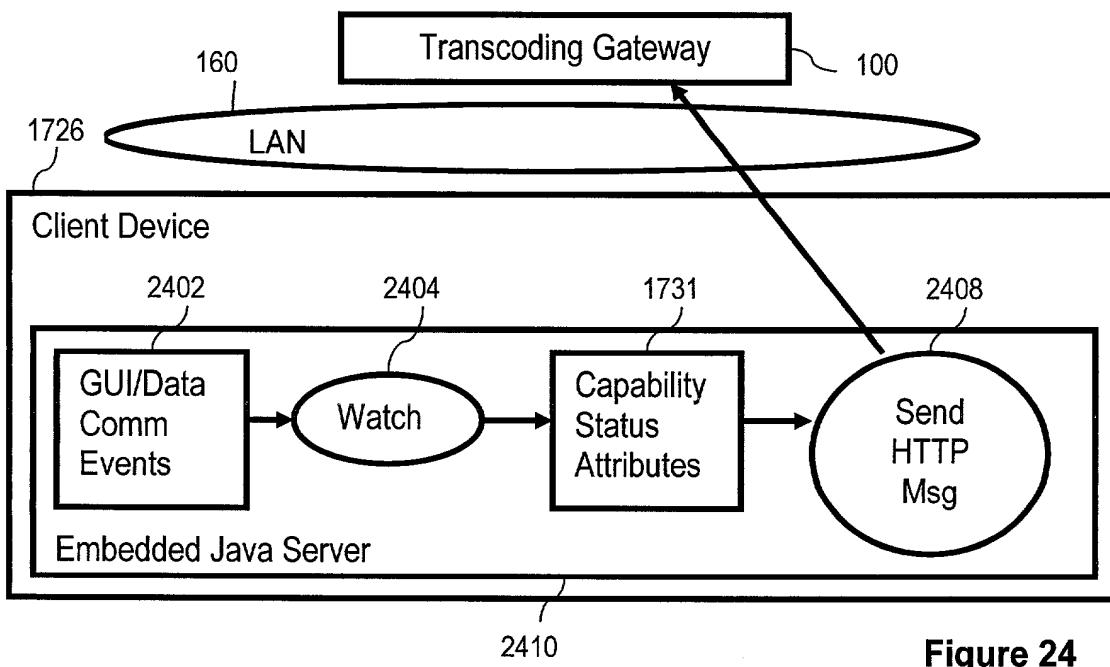


Figure 24

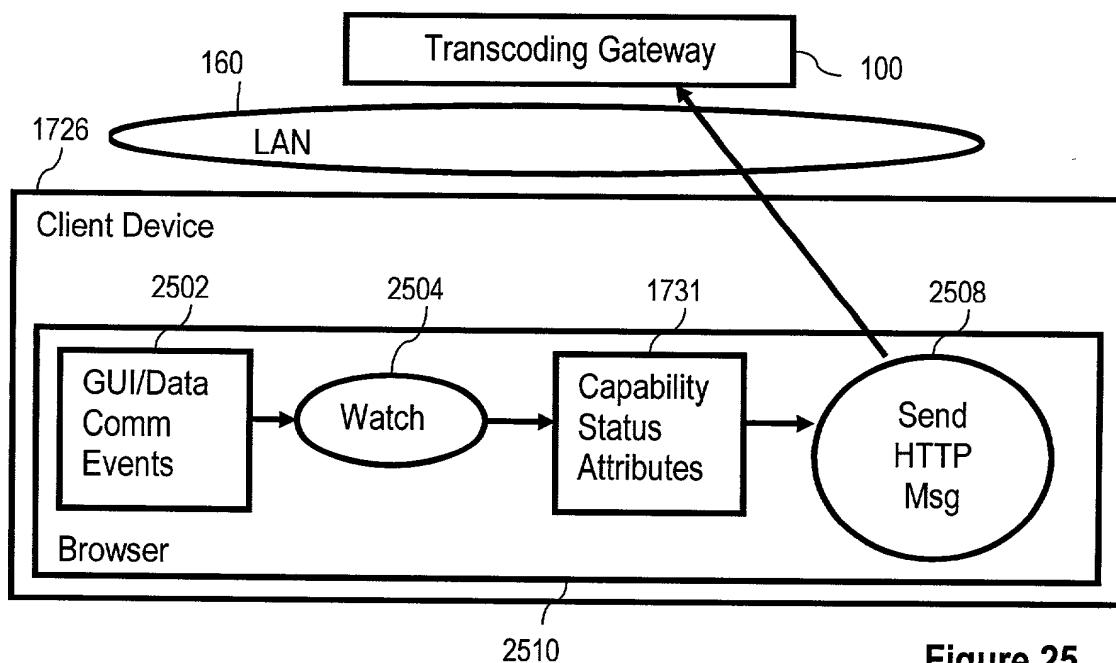


Figure 25

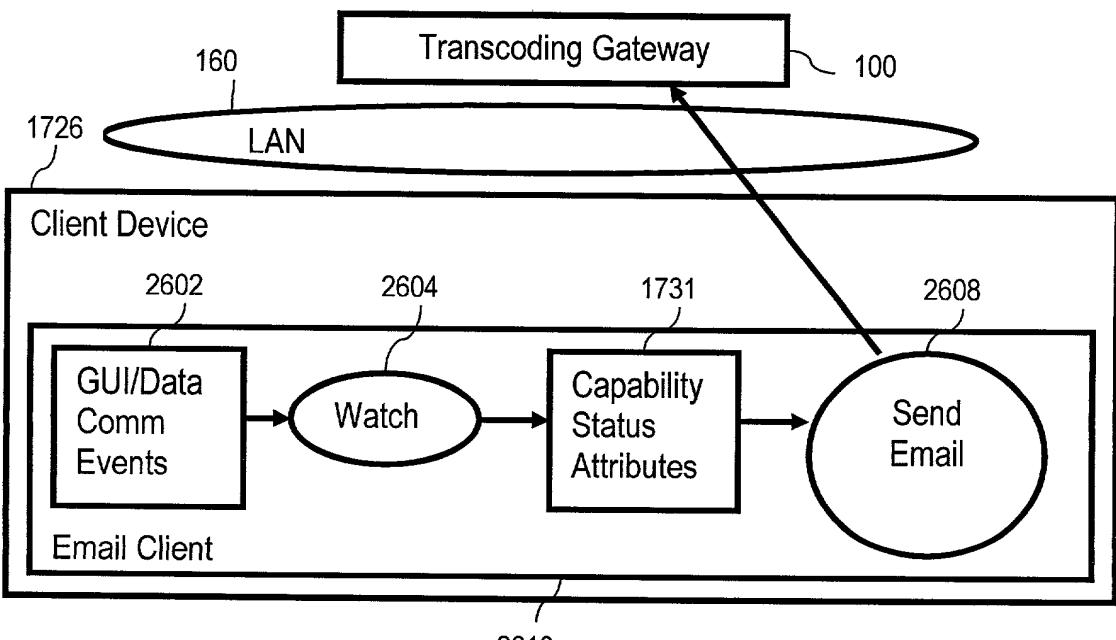


Figure 26

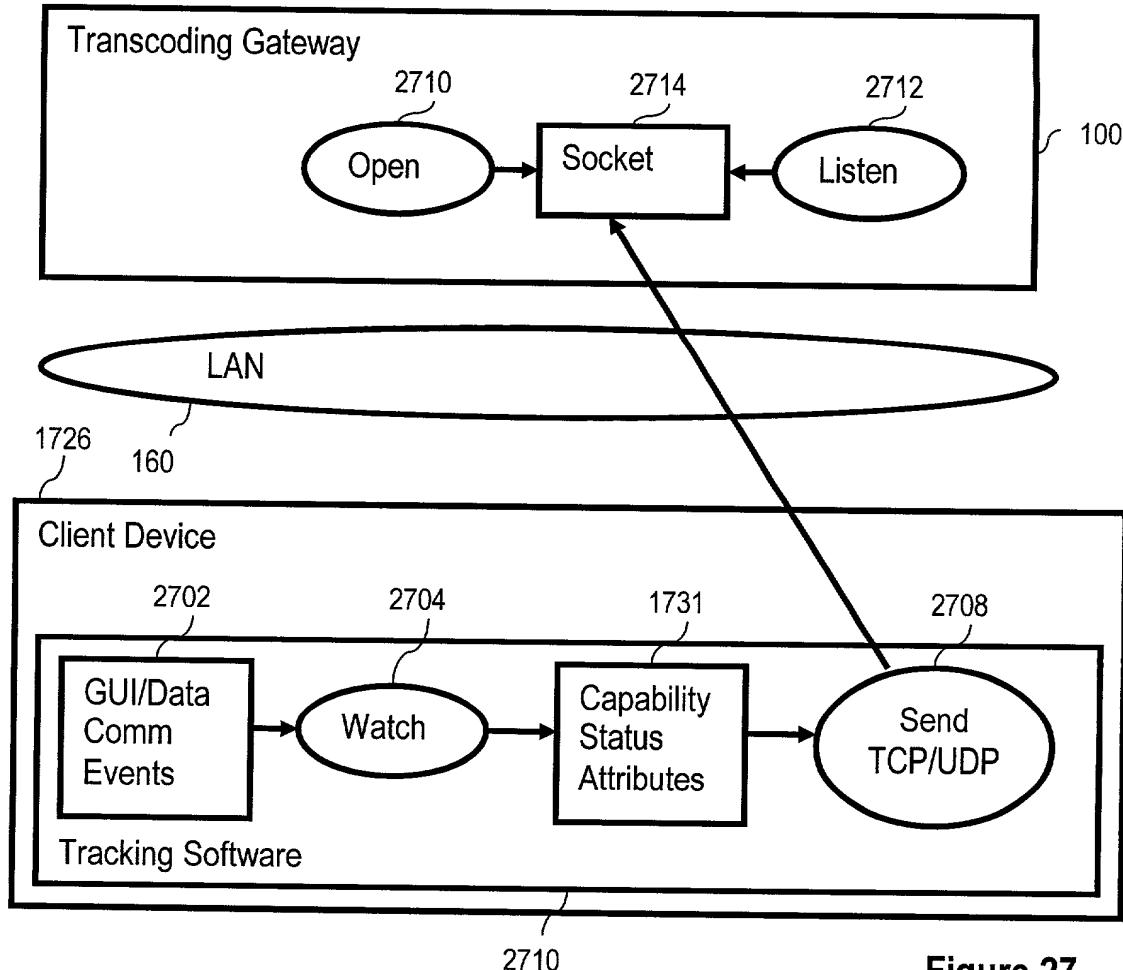


Figure 27